

List of All Chemicals

P Vanilla tahitensis (Orchidaceae)

Common name(s)

Tahiti Vanilla

How used

Food

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
ANISALDEHYDE	Fruit	--	--		*
Activities (7)					
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.				
Fungicide					
Insecticide	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.				
Pesticide					
Tyrosinase-Inhibitor ID50=320 uM					
Tyrosinase-Inhibitor ID50=0.32 mM					
Tyrosinase-Inhibitor ID50=380-970 uM					
ANISYL-ALCOHOL	Fruit	--	--		*
Activities (2)					
Antiaggregant IC50=630 uM	Phytotherapy Research, 4: 93.				
Flavor FEMA 10-20	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
ANISYL-ETHYL-ETHER	Fruit	--	--		*
P-CRESOL	Fruit	--	--		*
Activities (8)					
Allelochemic IC50=1.13 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.				
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.				
Antiseptic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Flavor FEMA <1	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Parasiticide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Pesticide					
Rodenticide LD50=1,100 cut rat					
TRANS-METHYL-CINNAMATE	Fruit	--	--		*
VANILLIN	Fruit	--	--		*
Activities (28)					
Allelochemic IC50=4.26 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.				
Allergenic					
Antianemic					
Anticancer					
Antidrepanocytic					
Antiescherichic 10-100 mmol/l					
Antilactobacillic 10-100 mmol/l					
Antilisteria					
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.				
Antioxidant #NAME?					
Antipolio	Economic & Medicinal Plant Research, 5: 194.				

quercetin	
Antisickling	
Antitumor	
Antitumor-Promoter	
Antiviral	Economic & Medicinal Plant Research, 5: 194.
Antiyeast 8-30 mM	
Bacteriostat 10-40 mmol/l	
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Candidicide 8-20 mM	
Choleretic	Rinzler, C. A. 1990. The Complete Book of Herbs, Spices and Condiments. Facts on File, New York. 199 pp.
Flavor FEMA 50-20,000	Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
Fungicide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Immunosuppressant	
Insectifuge?	Martindale's 28th
Irritant	
Perfumery	
Pesticide	

VANILLYL-ETHYL-ETHER

Fruit

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